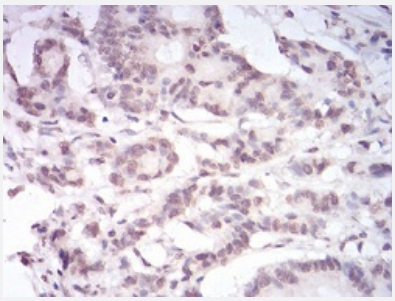
PAX6 monoclonal antibody, clone 1F6G2

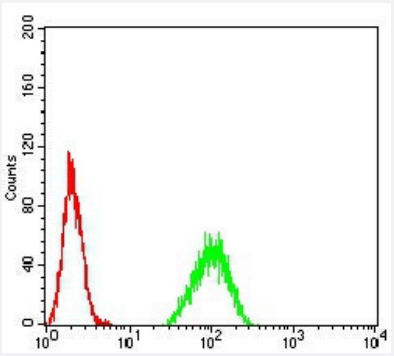
Catalog # MAB16754 Size 100 ug

Applications



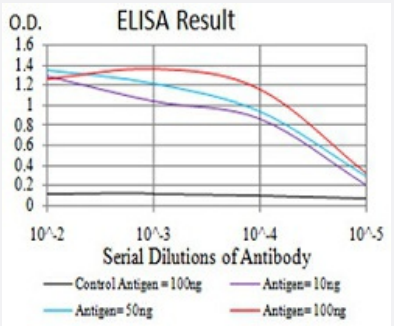
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded colon cancer tissues with PAX6 monoclonal antibody.



Flow Cytometry

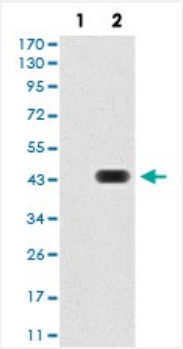
Flow cytometric analysis of A549 cells with PAX6 monoclonal antibody (green) and negative control (red).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of PAX6 monoclonal antibody, clone 1F6G2.

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Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: PAX6-hIgGFc transfected HEK293 cell with PAX6 monoclonal antibody.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human PAX6.
Immunogen	Recombinant protein corresponding to amino acid 1-122 of human PAX6 from *E. coli*.
Host	Mouse
Theoretical MW (kDa)	46.7
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunocytochemistry Flow Cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining of paraffin-embedded colon cancer tissues with PAX6 monoclonal antibody.

- Flow Cytometry

  Flow cytometric analysis of A549 cells with PAX6 monoclonal antibody (green) and negative control (red).

- Enzyme-linked Immunoabsorbent Assay

  ELISA analysis of PAX6 monoclonal antibody, clone 1F6G2.

- Western Blot (Transfected lysate)

  Western blot analysis of Lane 1: HEK293 cell; Lane 2: PAX6-hIgGFc transfected HEK293 cell with PAX6 monoclonal antibody.

Gene Info — PAX6

Entrez GeneID	5080
Gene Name	PAX6
Gene Alias	AN, AN2, D11S812E, MGC17209, MGDA, WAGR
Gene Description	paired box 6
Omim ID	106210 120200 120430 129750 136520 148190 165550 603807 607108
Gene Ontology	Hyperlink
Gene Summary	This gene encodes paired box gene 6, one of many human homologs of the Drosophila melanog aster gene prd. In addition to the hallmark feature of this gene family, a conserved paired box dom ain, the encoded protein also contains a homeo box domain. Both domains are known to bind DN A, and function as regulators of gene transcription. This gene is expressed in the developing nerv ous system, and in developing eyes. Mutations in this gene are known to cause ocular disorders s uch as aniridia and Peter's anomaly. Alternatively spliced transcript variants encoding either the s ame or different isoform have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000038833|OTTHUMP00000038834|OTTHUMP00000038835|OTTHUMP000000 38836|OTTHUMP00000038837|OTTHUMP00000038838|OTTHUMP00000038839|OTTHUMP0 0000038840|paired box gene 6|paired box homeotic gene-6

Pathway

- Maturity onset diabetes of the young

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Disease

- Abnormalities
- Alcoholism
- Atherosclerosis
- Atrophy
- Autistic Disorder
- Blepharoptosis
- Calcinosis
- Cleft Lip
- Cleft Palate
- Coronary Artery Disease
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Myopia
- Photophobia
- Retinal Diseases
- Tobacco Use Disorder
- Vision Disorders

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